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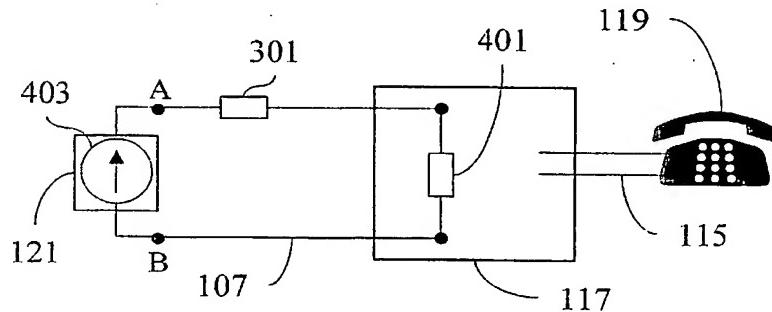
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- (71) Applicant (for all designated States except US): BRITISH TELECOMMUNICATIONS PUBLIC LIMITED COMPANY [GB/GB]; 81 NEWGATE STREET, LONDON Greater London EC1A 7AJ (GB).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): ZHOU, Ping [CN/GB]; 5 Hunters Ride, Martlesham Heath, Ipswich Suffolk IP5 3SQ (GB). CHATTELL, Andrew, David [GB/GB]; 96 Woodbridge Road, Rushmere, St. Andrew, Ipswich Suffolk IP4 5RA (GB).
- (74) Agent: GALAUN, David, Benjamin; BT Group Legal, Intellectual Property Department, PP: C5A, BT Centre, 81 Newgate Street, London Greater London EC1A 7AJ (GB).
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(54) Title: ELECTRICAL WIRE JOINT FAULT DETECTION



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(57) Abstract: A method and apparatus for detecting a fault in a joint connecting sections of an electrical transmission line together are disclosed. Previously known methods for detecting joint faults require a visual inspection of the joint or testing the transmission line using sophisticated, expensive equipment. This manual testing is expensive and inefficient. In the proposed method, a fault in a joint (301) connecting sections of an electrical transmission line (107) together is detected by measuring the resistance to current flowing through the joint (301) in one and the other directions along said electrical transmission line (107) and detecting a fault in the joint (301) if the measured resistance differs substantially in said one and the other directions. The method has particular utility in relation to low power transmission lines such as telephone lines.